

a memory for storing RSIMs generated by information block segments and scheduling parameters contained in the processed message;

75 a control part for calculating transmission time points of the RSIMs to the air in advance, and forming a queue of the stored RSIMs in an order of the earliest transmission to the air based on the calculated transmission time point;

a comparing part for comparing the current time point to the transmission time point of the RSIM to be transmitted at the earliest among the queue of the RSIMs at preset intervals  
80 under the control of a control signal; and,

a second signal processing part for processing the RSIM to be transmitted to the air according to a result of the comparison.

14. An asynchronous mobile communication system as claimed in claim 13, wherein,  
85 whenever one RSIM is transmitted at fixed intervals, the control part calculates the next transmission time point of the transmitted RSIM, and forms a new queue of the RSIMs again by using a set queuing algorithm.

15. An asynchronous mobile communication system as claimed in claim 14, wherein,  
90 when the next transmission time point of the transmitted RSIM is calculated, the control part inserts the next transmission time point in place of the prior transmission time point in the queue of the RSIM.

16. An asynchronous mobile communication system as claimed in claim 13, wherein  
95 the scheduling parameters stored in the memory includes;

a parameter IB\_REP for representing intervals the information block segments are

transmitted to the air, and

a parameter SEG\_POS for representing positions of the information block segments.

100        17. An asynchronous mobile communication system as claimed in claim 13, wherein  
the queue of the RSIMs includes addresses of the RSIMs, and the transmission time points of  
the RSIMs.